



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 100248

To: Ulrike Winkler
Location: CM1-8E12
Art Unit: 1648
Wednesday, August 06, 2003

Case Serial Number: 09/303510

From: Beverly Shears
Location: Biotech-Chem Library
CM1-1E05
Phone: 308-4994

beverly.shears@uspto.gov

Search Notes

*Seq ID 5
Sequence between 09/303510
+
09/303040 one same*

> O <
O | O IntellGenetics
> O <

GENERALIGN - Multiple Sequence Alignment Program
Release 5.4

Tue 5 Aug 103 15:03:53-PDT

Solution Parameters:

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Nucleic Alphabet = Identity
Output Line Length = 80
Compress        = Off
Histogram       = Off
Randomization   = Off

AMINO-Res-length = 2
DisLength-weight = 5.00
Length-factor    = 0
Matching-weight  = 1.00
NUCLEIC-Res-length = 4
Spread-factor    = 50

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Clustered order of selected sequences:

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3. US-09-303-040-5 (1-1080)
80. US-09-303-510-5 (1-1080)

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Region Alignment: (listed in Clustered order)

US-09-303-	1	GTTCTGTGTTTCCTCGGGAAATGTCACGTGAGCTTATACATCTGGTCTCTCGGAGCTGCATGTG
US-09-303-	1	GTTCTGTGTTTCCTCGGGAAATGTCACGTGAGCTTATACATCTGGTCTCTCGGAGCTGCATGTG
consensus		GTTCTGTGTTTCCTCGGGAAATGTCACGTGAGCTTATACATCTGGTCTCTCGGAGCTGCATGTG
US-09-303-	62	GATGGGCAATTGTGTGACGACCATATGCGACTGAGCTCACATCTCTCTGTGTATGAGCCCTCTG
US-09-303-	62	GATGGGCAATTGTGTGACGACCATATGCGACTGAGCTCACATCTCTCTGTGTATGAGCCCTCTG
consensus		GATGGGCAATTGTGTGACGACCATATGCGACTGAGCTCACATCTCTCTGTGTATGAGCCCTCTG
US-09-303-	123	CTCTCTGTGTTTCTTCAATGAGAGTGACGATTAATTTCAACAGACTGAGGAATCTGCCAT
US-09-303-	123	CTCTCTGTGTTTCTTCAATGAGAGTGACGATTAATTTCAACAGACTGAGGAATCTGCCAT
consensus		CTCTCTGTGTTTCTTCAATGAGAGTGACGATTAATTTCAACAGACTGAGGAATCTGCCAT
US-09-303-	184	GCCATTTTACAATCTCTGAAAATATGAGCTGAGCTGAGTAGTATTTTGGCAGAACA
US-09-303-	184	GCCATTTTACAATCTCTGAAAATATGAGCTGAGCTGAGTAGTATTTTGGCAGAACA
consensus		GCCATTTTACAATCTCTGAAAATATGAGCTGAGCTGAGTAGTATTTTGGCAGAACA
US-09-303-	245	GGATAGCTGTGTTCTGTATGAGATATTTCAGAGGCGAAGGAGACCCTCAAAGATGTCATCTC
US-09-303-	245	GGATAGCTGTGTTCTGTATGAGATATTTCAGAGGCGAAGGAGACCCTCAAAGATGTCATCTC
consensus		GGATAGCTGTGTTCTGTATGAGATATTTCAGAGGCGAAGGAGACCCTCAAAGATGTCATCTC
US-09-303-	306	AAATATAAGGCGGCTACAGCTTTTGAACAGGCAACCTGGACCCCTGAGCTCCACANATGTC
US-09-303-	306	AAATATAAGGCGGCTACAGCTTTTGAACAGGCAACCTGGACCCCTGAGCTCCACANATGTC
consensus		AAATATAAGGCGGCTACAGCTTTTGAACAGGCAACCTGGACCCCTGAGCTCCACANATGTC

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US-09-303- 977 CCACGTACCTGAGAGATCTGATGAGCCCACTGTGTTAACATTTTGAAGCAGCCTCAGGG
consensus   CCACGTACCTGAGAGATCTGATGAGCCCACTGTGTTAACATTTTGAAGCAGCCTCAGGG

US-09-303- 1038 GACAAAATCACTAGGAAATGCTGGCTTGGCGCTGACAAAT
              |||||
US-09-303- 1038 GACAAAATCACTAGGAAATGCTGGCTTGGCGCTGACAAAT
              |||||
consensus   GACAAAATCACTAGGAAATGCTGGCTTGGCGCTGACAAAT
  
```

Alignment score = 1080.00

Scoring matrix:

	3	80
3	1080	
80		

